Claims

1. A stopper apparatus for a slide rail having a first rail and a second rail which are coupled so as to be capable of mutual relative movement in a longitudinal direction, the stopper apparatus comprising:

a lock portion which projects toward the second rail and which is formed in a distal end portion of an inner face of the first rail, this inner face facing the second rail;

a stopper member made of an elastic plate material formed in a rear end portion of the inner face of the second rail, facing the first rail; the stopper member comprising:

an attachment portion which is formed in a base end portion of the stopper member, and which is fixed to the inner face of the second rail;

a plate portion which is formed so as to be continuous with a distal end portion of the attachment portion, and which extends toward the distal end portion of the second rail such that the plate portion is separated from the inner face of the second rail; and

a guide portion which is formed so as to be continuous with the distal end portion of the plate portion, such that, when the second rail moves toward the distal end side and reaches a predetermined first position, the guide portion contacts the lock portion, and slides on the lock portion in accordance with movement of the second rail from the first position to the distal end side, thereby elastically displacing the plate portion around the base end portion to the second rail side,

the plate portion further comprising:

a lock recess portion formed in the distal end portion such that, when the second rail moves further from the first position toward the distal end side and reaches the predetermined second position, the lock recess portion faces

the lock portion, and receives the lock portion due to the plate portion being elastically deformed to return to the second rail side, and thereby inhibiting the second rail from moving in the longitudinal direction by engagement of the lock portion with the lock recess portion; and

an elastic strip which projects toward the second rail and which elastically urges the plate portion to the inner face side of the first rail by contacting an abutment portion formed in the second rail; wherein

when the lock portion is received in the lock recess portion, a distance between the elastic strip and the abutment portion in a direction in which the inner face of the first engagement portion and the inner face of the second engagement portion face each other is set smaller than an insertion distance of the lock portion into the lock recess portion.

2. The stopper apparatus for a slide rail according to claim 1, wherein the second rail is inhibited from moving toward the distal end side by contact of the lock portion with a rear end face of the lock recess portion.

3. The stopper apparatus for a slide rail according to claim 1, wherein the second rail is inhibited from moving toward the rear end side by contact of the lock portion with a distal end face of the lock recess portion.

4. The stopper apparatus for a slide rail according to claim 1, wherein the elastic strip is inclined such that a front portion of the elastic strip is closer to the second rail than the distal end portion thereof so as to also serve as the guide portion, and, when the second rail moves toward the distal end side and reaches the first position, a face of the elastic strip facing the first rail contacts the lock portion.

5. The stopper apparatus for a slide rail according to claim 1, wherein a thorough hole which receives the distal end portion is further formed in the

second rail, and the abutment portion is formed at an intersection portion of the inner peripheral face of the through hole and the inner face of the second rail.

6. The stopper apparatus for a slide rail according to claim 1, further comprising a fixed rail and a movable rail such that longitudinal directions of the fixed rail and the movable rail are in alignment with longitudinal directions of the first rail and the second rail, wherein the movable rail is coupled to the fixed rail so as to be movable in the longitudinal direction of the fixed rail and the first rail is fixed to the movable rail.